

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Dimatteo et al.

Examiner: Uyen T. Ho

Application No.: 10/003,149

Group Art Unit: 3731

Dated: November 3, 2005

Filed: November 2, 2001

Docket: 760-117

For: VAPOR DEPOSITION PROCESS

FOR PRODUCING A STENT-

**GRAFT PRODUCED** 

THEREFROM

Confirmation No.: 7468

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## DECLARATION OF PRIOR INVENTION IN THE UNITED STATES TO OVERCOME A CITED PATENT UNDER 37 C.F.R. §1.131

Sir:

- We, Kristian DiMatteo, a citizen of the United States, residing at 25 Carleton 1. Road, Waltham, Massachusetts 02451, and Robert C. Thistle, a citizen of the United States, residing at 35 Laurie Lane, Bridgewater, Massachusetts 02324, are the inventors of the aboveidentified application.
- At the time of the invention thereof and continuously to the filing of the present 2. application, we were employees of Boston Scientific Corporation which is the parent of SCIMED Life Systems, Inc., assignee of the present application. I, Robert C. Thistle, am

currently an employee of Boston Scientific Corporation. I, Kristian DiMatteo, was an employee of Boston Scientific Corporation until about October 7, 2005. We submit this declaration to establish completion of the invention set forth in this application in the United States at a date prior to September 27, 2000, i.e., the effective date of U.S. Patent No. 6,695,833 to Frantzen (hereinafter "Frantzen") which was cited by the Examiner in an Office Action mailed, September 2, 2005.

- 3. From the documents submitted herewith and as set forth hereinbelow, it can be seen that the invention set forth in the claims of this application was completed in the United States before September 27, 2000, which is a date earlier than the U.S. filing date of the Frantzen Patent. Such completion being evidenced conception of the invention and reduction to practice of the complete invention with diligence at a date prior to the filing date of the Frantzen reference. Exhibits A through C are submitted in support thereof. The Exhibits A through C are being submitted with their dates redacted. The actual document dates of Exhibits A through C are prior to September 27, 2000. A brief description of the documents being submitted is as follows:
  - a. A copy of a Lab Notebook Page (EXHIBIT A), dated prior to September 27, 2000, signed by one of the inventors, i.e., Robert Thistle, evidencing conception of forming a paraylene graft and a paraylene stent-graft. The exhibit further notes that samples were provided to an outside firm to prepare such a stent-graft according to the conception of the present invention detailed therein.
  - b. A copy of a Lab Notebook Page (EXHIBIT B), dated prior to September 27, 2000, signed by one of the inventors, i.e., Robert Thistle, recording photographs of one of the five paraylene stent-grafts prepared in accordance with the procedures of EXHIBIT mentioned above.
  - c. A copy of a Testing Request (EXHIBIT C), dated prior to September 27, 2000, reporting testing results for the paraylene stent-grafts which were requested by

one of the inventors, i.e., Robert Thistle. The testing results include measured thicknesses of the paraylene grafts.

This declaration is being submitted in response to a Final Office Action issued by the Examiner and therefore is believed to be timely filed.

The above-referenced exhibits establish a date of conception of the invention and reduction to practice of the complete invention with diligence at a date prior to September 27, 2000, i.e. the filing date of the Frantzen Patent.

We hereby declare that all statements made herein of my knowledge are true and that all statements made on information or belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: 11-27-2005	Kristian DiMatteo	_
Dated:	Robert C. Thistle	

HOFFMANN & BARON, LLP 6900 Jericho Turnpike Syosset, New York 11791 (973) 331-1700 one of the inventors, i.e., Robert Thistle. The testing results include measured thicknesses of the paraylene grafts.

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Dated: 11-27-2005

Kristian DiMatteo

Dated: Tobrany 15, 2006

obert C. Thistle

HOFFMANN & BARON, LLP

6900 Jericho Turnpike

Syosset, New York 11791

(973) 331-1700

Parylene Costy is a clear medical Grade polymen film.
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Book No. TITLE Vaylenc Coating S Recorded on Proje Book No. Somples 3 Symphony Sterts were Given to 505 for BATTING. See Pay BOOK NO. GOD For Retornal noting Slip. The following are photos of the Returned evices. Sty + (Ros Sations CM Re-found IN Report Date



# PARYLENE COATED SYMPHONY STENT

TASK NUMBER:

PREPARED BY:





Part No.:	Description: Parylene Conted Symphany Jen 7.
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Description:

Parylene Coated Symphony Stent

Project #:

Requester:

B. Thistle

Extension: 4545

Purpose:

To examine the profile of coating.

Method:

Used Stereo Microscope (Olympus SZH10), Metallography (Buehler Phoenix 4000), and Metallographic Mircoscope (Olympus BX60) located at Advanced Metals Technology

## Material:

N=1 Parylene coated Symphony Stent

### Metallography:

A parylene coated symphony stent was requested for metallographic section to observe the coating profile. Parylene coated symphony stent was sectioned in to five parts. Each part was mounted for cross section. Each part was placed into individual mounting cup and the epoxy with a mixture of 5:1 ratios of resin to hardener was poured into the cup to cover the samples. The samples were left to cure overnight. Samples were removed from the mounting cup and were polished using Buehler Phoenix 4000 machine. 600 and 800 grit were used to remove the materials to the desired location. Nylon cloth, Masertex, and Microcloth were used for a smoother surfaces.

### Results:

Metallographic sections showed the parylene coating does embrace the wire uniformly. See attached photos for more information.

# **Cross Section fo Parylene Coated Symphony Stent**

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				0.0012

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# Cross Section fo Parylene Coated Symphony Stent

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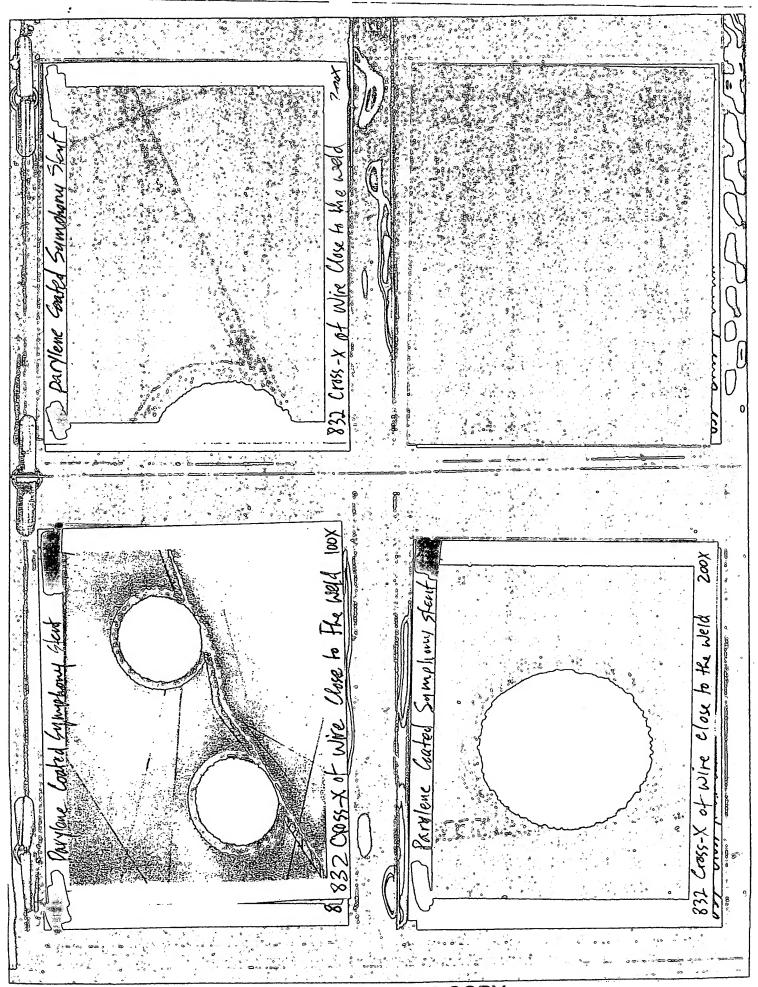
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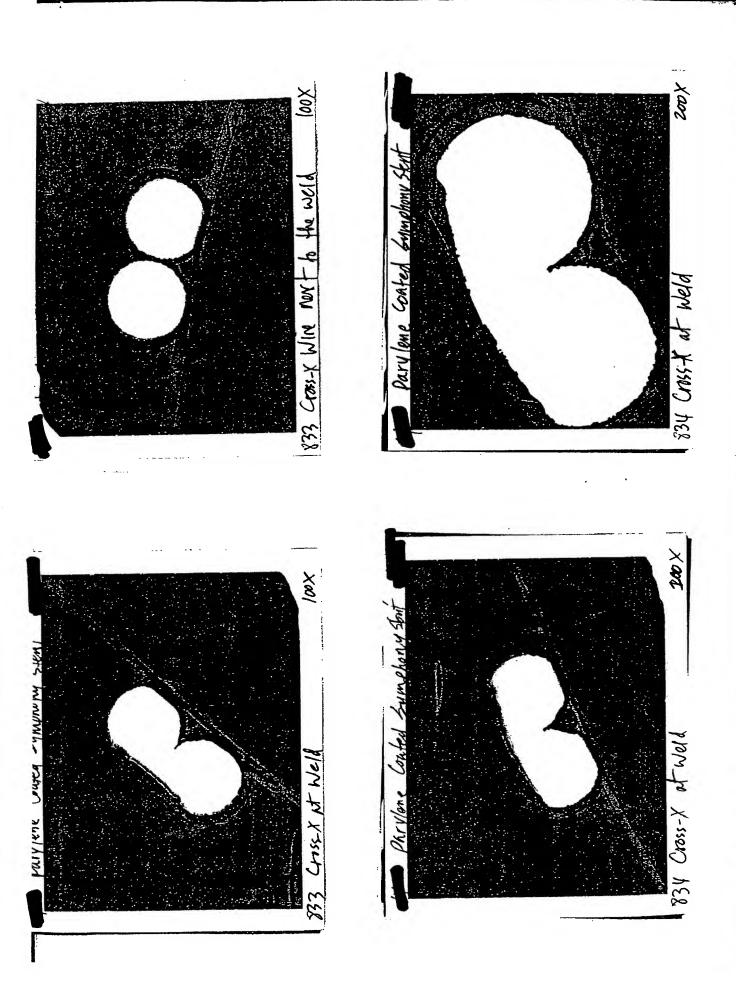
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			0.0016

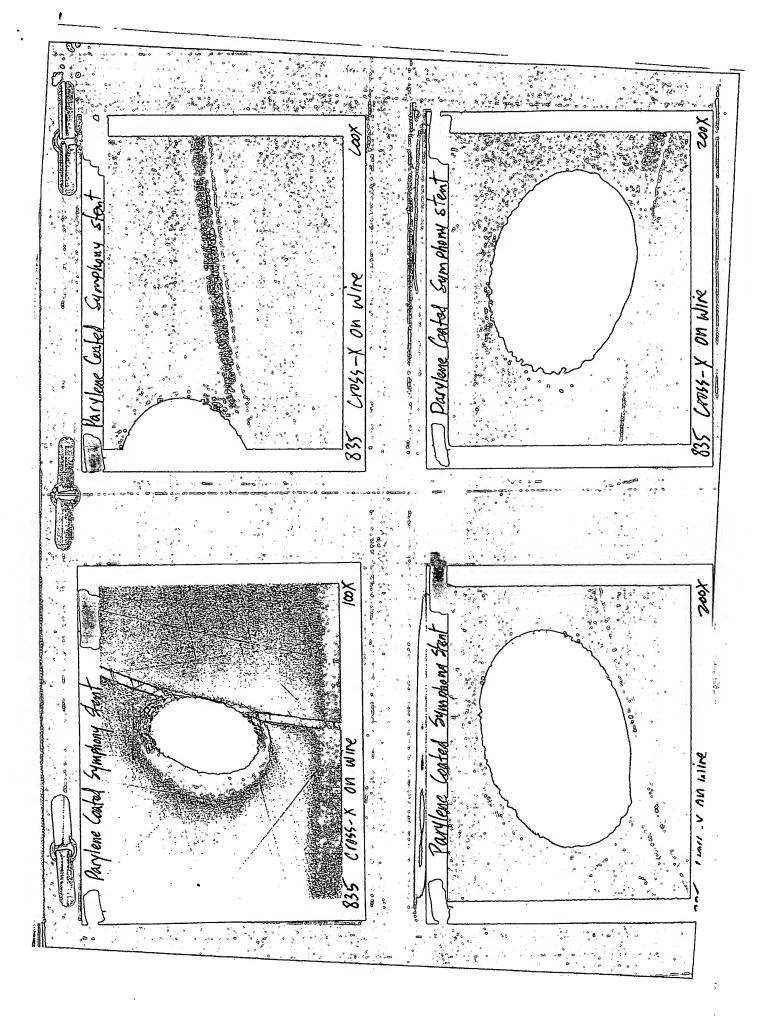
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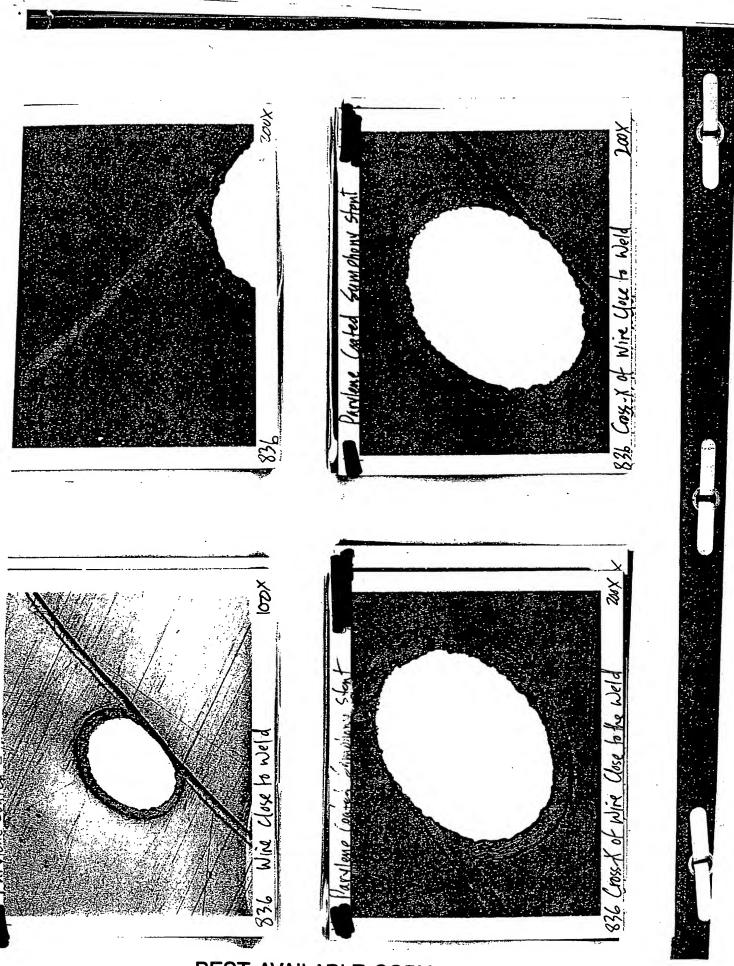
Met\_ParyleneCoatedSymphony.xls



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